

Inelastic Interaction of High Energy Helium Ions
with Atomic Nuclei, by V. S. Barashenkov, 16 pp.
RUSSIAN, rpt, No R-2-6195, Lab of Theoretical Physics,
Lab of Nuclear Reactions, 1971, pp 1-18.
AEC/ORNL-Tr-2618-72

Aug 72

Buildup of Cosmic Isotopes in Iron Meteorites, by
V. S. Barashenkov, 9 pp.
RUSSIAN, rpt, JINR R-2-6225, Joint Institute for
Nuclear Research, Dubna, 1972, pp 1-14.
AEC/ORNL-Tr-2620-72

Aug 72

Neutron Resonances of Gadolinium Isotopes, by
E. N. Karzhavina, et al.
ENGLISH, rpt, USSR. Joint Institute for Nuclear
Research. Dubna.
NTC 71-14412-18B

Feb 72

Experiments in α -Particle Acceleration by the
Collective Method, by V. P. Sarantsev, et al.
ENGLISH, rpt, USSR. Joint Institute for Nuclear
Research. 1971.
NTC 71-14089-20G

Feb 72

¹ANL-Trans-905 ⁵SIGN OF THE ASTATINE ION
IN $\text{HClO}_4\text{-H}_2\text{Cr}_2\text{O}_7$ SOLUTIONS. ⁶Tyung, Do Kim; Dudova, I.;
Khalkin, V. ⁷(Joint Inst. for Nuclear Research, Dubna (USSR)).
¹⁰Translated for Argonne National Lab., Ill., from Russian Preprint.
²⁰6p. ²⁴Dep. NTIS.

²⁵

²⁶chemistry (physical); translations ²⁷07D

²⁸MN-4 ²⁹P NSA

REPORT, JOINT INSTITUTE FOR NUCLEAR RESEARCH,
DUBNA, SSSR

1965 JINR-P-2068	65-14474 <*>
1965 JINR-P-2024	65-14517 <*>
1965 JINR-P-2227	70-13501-2U6 <*>
1965 JINR-P-2471	70-13503-18H <*>
1965 JINR-P-2164	70-13504-2U6 <*>
1965 JINR-P-2198	70-13513-07D <*>
1965 JINR-P-2426	70-20063 <*>
1965 JINR-P-2480	70-20133 <*>
1965 JINR-P-2422	70-20134 <*>
1965 JINR-P-2008	70-20143 <*>
1965 JINR-P-2340	70-20159 <*>
1966 JINR-P-2705	70-20059 <*>
1966 JINR-P-2707	70-20060 <*>
1966 JINR-P-2764	70-20061 <*>
1966 JINR-P-2766	70-20062 <*>
1966 JINR-P-2828	70-20096 <*>
1966 JINR-P-2890	70-20132 <*>
1966 JINR-P-2730	70-20148 <*>
1966 JINR-P-2-3012	70-20149 <*>
1966 JINR-P-2-3009	70-20150 <*>

45000 T
NAC

REPORT, JOINT INSTITUTE FOR NUCLEAR RESEARCH.

DUINA, SSSR

1967 JINR-P9-3346-2	UCRL-TR-14002=5-
1967 JINR-P11-3480	70-10113-180 <=>
1967 JINR-P1-4077	70-10315-20H <=>
1967 JINR-P9-3346-2	70-11032-20H <=>
1967 JINR-P3-3882	70-20115 <=>
1967 JINR-P15-3618	70-20119 <=>
1967 JINR-P4-3614	70-20124 <=>
1967 JINR-P8-320b	70-20130 <=>
1967 JINR-P4-3158	70-20131 <=>
1967 JINR-P16-3587	70-20137 <=>
1968 JINR-P7-3732	ANL-TR-747 <=>
1968 JINR-P4-3935	BNL-TR-285 <=>
1968 JINR-P2-4163	ORNL-TR-2148 <=>
1968 JINR-P15-4059	70-10004-148 <=>
1968 JINR-P9-4171	70-10026-20G <=>
1968 JINR-P7-3732	70-10035-18B <=>
1968 JINR-P2-3116	70-10111-20H <=>
1968 JINR-P7-3041	70-10112-20H <=>
1968 JINR-P1-366b	70-10214-180 <=>
1968 JINR-P2-4402	70-11030-20H <=>
1968 JINR-P2-4306	70-11031-20H <=>
1968 JINR-P4-3935	70-11033-20H <=>

REPORT, JOINT INSTITUTE FOR NUCLEAR RESEARCH,
DUBNA, SSSR

1968 JINR-P1-4442 70-11241-20H <=>
1968 JINR-P3-4110 70-20111 <=>
1968 JINR-P2-4047 70-20112 <=>
1968 JINR-P1-3788 70-20113 <=>
1968 JINR-P13-4014 70-20114 <=>
1968 JINR-P3-3697 70-20118 <=>
1968 JINR-P3-3696 70-20120 <=>
1968 JINR-P9-3690 70-20142 <=>
1968 JINR-P4-3935 70-20240 <=>
1969 JINR-P1-4373 BNL-TR-281 <=>
1969 JINR-P1-4227 BNL-TR-282 <=>
1969 JINR-P2-4510 PB-187 634T <=>
1969 JINR-P2-4438 SLAC-TRANS-97 <=>
SLAC-TH-97 <=>

ORDER FROM NYC

REPORT, JOINT INSTITUTE FOR NUCLEAR RESEARCH.
DUBNA, SSSR

1969 JINR-P2-4543 SLAC-TH-98 <::>
1969 JINR-P2-4438 70-10010-18H <::>
1969 JINR-P9-4257 70-10279-20G <::>
1969 JINR-P16-4304 70-10280-18F <::>
1969 JINR-P2-4346 70-10281-20H <::>
1969 JINR-P2-4543 70-10314-20H <::>
1969 JINR-P1-4373 70-10401-20H <::>
1969 JINR-P1-4227 70-10885-20H <::>
1969 JINR-P4-4575 70-11774-20B <::>
1969 JINR-P3-4409 70-11964-20G <::>

ORDER FROM NTC

REPORT, JOINT INSTITUTE FOR NUCLEAR RESEARCH,
DUBNA, SSSR

JINR-P12-4504
JINR-P9-4555
JINR-P-2711
JINR-P-2131
JINR-P9-3402
JINR-R13-3064
JINR-P7-4021
JINR-P2-4333
JINR-P1-4077
JINR-P2-4546
JINR-P13-4702
JINR-P9-4722

ANL-TRANS-769 <=>
ANL-TR-805 <=>
CERN-TH-69-29 <=>
LIBTRANS-205 <=>
NP-TH-1663 <=>
NP-TH-1810 <=>
NP-TH-1828 <=>
ORNL-TR-2163 <=>
ORNL-TR-2174 <=>
SLAC-TRANS-108 <=>
SLAC-TR-110 <=>
SLAC-TR-111 <=>

ORDER FROM NTC

REPORT, JOINT INSTITUTE FOR NUCLEAR RESEARCH,
DUBNA, USSR

JINR-P-6-3452	UCLL-TRANS-10306 <=>
JINR-Pg-4423	UCLL-TRANS-1401 <=>
JINR-Pg-4424	UCLL-TRANS-1402 <=>
JINR-Pg-4425	UCLL-TR-1403 <=>
JINR-Pg-4728	UCLL-TR-1407 <=>
JINR-P-2393	UHL-TR-1538-A <=>
JINR-P2-3507	UHL-TR-1936 <=>
JINR-P2-4402	URL-TR-2200 <=>
JINR-P2-4510	URL-TR-2224 <=>
JINR-P2-4306	URL-TR-2230 <=>
JINR-P2-4509	UHNL-TR-2235 <=>
JINR-P2-4520	OKNL-TH-2236 <=>
JINR-P2-4568	URL-TH-2243 <=>
JINR-P1-4562	UHNL-TH-2257 <=>
JINR-P2-4662	UHNL-TH-2258 <=>
JINR-P2-4661	OHNL-TH-2267 <=>
JINR-P16-4727	UPNL-TH-2277 <=>
JINR-P-2711	70-13401-20H <=>
JINR-P-2407	70-13505-20H <=>
JINR-Pg-3024-1	70-13506-18D <=>
JINR-P-1584	70-13514-20H <=>
JINR-Pg-4146	70-20091 <*>
JINR-P13-4014	70-20093 <*>

REPORT. JOINT INSTITUTE FOR NUCLEAR RESEARCH.

DUBNA, SSSR

JINR-P10-3768	70-20094 <*>
JINR-P-2912	70-20097 <*>
JINR-P-2916	70-20101 <*>
JINR-U7-3548	70-20104 <*>
JINR-P1-3612	70-20105 <*>
JINR-P3-3696	70-20106 <*>
JINR-P3-3697	70-20107 <*>
JINR-P4-3674	70-20108 <*>
JINR-P16-3587	70-20117 <*>
JINR-P9-3369	70-20121 <*>
JINR-P13-4014	70-20122 <*>
JINR-P10-3122	70-20124 <*>
1962 JINR-P-1010	70-20146 <*>
1964 JINR-P-1884	AEC-TR-5569 <=> 70-13502-2UG <*>

An Electromagnetic Mass-Separator of the Laboratory
of Nuclear Reactions: A Calculation of the Magnetic
Analyser for the Mass Separator, by N. I. Tarantin.
RUSSIAN, rpt, USSR Joint Institute for Nuclear
Research. Dubna, Report JINR-P-1948.

NTC-71-10193-18D

Nov 71

An Electromagnetic Mass-Separator of the Laboratory
of Nuclear Reactions. Part II. A Description of the
Mass-Separator and its Characteristics, by
A. V. Demyanov.
RUSSIAN, rpt, USSR Joint Institute for Nuclear
Research, Dubna, Report JINR-P-1949.
NTC-71-10192-18D

Nov 71

Theory of the Nuclear Spin-Lattice Relaxation in
Solid Ortho-Hydrogen, by K. Valyasek.
RUSSIAN, rpt, USSR, Joint Institute for Nuclear
Research, Dubna, Report JINR-P4-4893, 1970.
NTC-71-10002-20H

Nov 71

Study by the Extraction method of the Complexing
of Curium and Europium, by I. Stary, 7 pp.
RUSSIAN, rpt, Joint Institute for Nuclear Research,
Dubna, 9230412.

AEC ORNL

tr-760

292,994

Sci-Chem or Nuclear Sci & Tech
Nov 65

Study by the Extraction Method of the Complexing
of Americium and Promethium, by I. Starý, 9 pp.
RUSSIAN, rpt, Joint Institute for Nuclear Research,
Dubna, 9230306.
AEC ORNL-tr-759

163
292, ~~163~~

Sci-Nuclear Sci & Tech
Nov 65

Investigation of the Characteristics of the Beam
of Protons Accelerated in the 10 BEV Synchro-
phasotron, by A. B. Kuznetsov, K. P. Myznikov,
30 pp.

RUSSIAN, ^{govt} Joint Inst for Nuclear Research,
Dubna, Lab of High Energy, Report P-787,
JINR-P-787, 18 pp. 9091179

AEC UCRL Tr-843

Sci - Phys
Sep 1962

211, 313

Yields of Some Fragments in Bombardment of Heavy
Nuclei with Multi-Charged Ions. II. Fission U^{235}
by Ne^{22} Ions, by I. Brandstetr, I. Zvara, et al.

~~Atc rpt~~
RUSSIAN, ~~rpt~~, Joint Institute for Nuclear Research,
Dubna SSSR. Lab. of Nuclear Reactions.

*AEC-UCRL-Tr-956

Sci - Phys
Jun 63

Reports at the Conference on Nuclear Reactions
Induced by Multicharge Ions,

RUSSIAN, ^{Joint} Inst for Nuclear Research,
Dubna, 11-13 Mar 1958.

AEC Tr-4445

Sci - Nuc Phys
May 61

150,321

Cyclotron With Spatial Variations in the Intensity
of the Magnetic Field, by D. P. Vasilevskaya,
A. A. Glazov, et al.

RUSSIAN, ~~per~~, Joint Inst for Nuclear Research, Dubna
USSR, Lab of Nuclear Problems, 1959, 39 pp.

*AEC

Jan 60

Studies of Photoproduction by Means of Dispersion Relations, by L. D. Solovyev, G. N. Tentyukova, 27 pp.

RUSSIAN, Joint Institute for Nuclear Research (USSR), 1959, p384.

AEC UCRL- tr-1041(L)

Sci - N/P
Aug 66

307,308

An Eight Litre Hydrogen - Deuterium Bubble Chamber
in a Magnetic Field, by T. D. Blokhintseva, A. T.
Vasilenko, V. G. Grebinnik, 36 pp.

RUSSIAN, per, Joint Inst for Nuclear Research, Dubna,
JINR-P-848, 1961.

ABC UCRL Pr-810

Sci - Nuc Phys
Jun 62
List 69

197, 839

Synchronisation Work of the Bubble Chamber With the
Synchrocyclotron, by M. P. Balaevin, V. G. Grebinnik,
G. I. Selivanov, 20 pp.

RUSSIAN, per, Joint Inst for Nuclear Research, Dubna,
JINR-P-852, 1961.

ABD UCRL Tr-811

Sci - Nuc Phys
Jun 62
List 69

197, 840

Asymmetry in the Angular Distribution of Neutrons
During the π^+ -Nucleon Capture in Calcium, by
V. S. Sveseyev, V. I. Komarov, V. Z. Rask, 32 pp.

rept
RUSSIAN, ~~per~~, Joint Inst for Nuclear Research,
Dubna, SSSR, Lab of Nuclear Problems, 1961. 9097894

AEC UCRL Tr-759

Sci - Phys
Apr 68

189, 918

Analysis of Average Neutron Capture Cross-
Sections, by Yu. P. Popov, Yu. I. Penin.

~~RUSSIAN, Joint 9203656 Institute of Nuclear
Investigations Nuclear Phys Lab, 1962~~
9203656

Sci - Nucl Sci and Tech

Mar 63

226, 556

Cross-Sections of Formation, and Mean Angular
Momenta, of Compound Systems in Reactions With
Heavy Ions, by V. V. Babikov, 25 pp.
RUSSIAN, rpt, Joint Institute for Nuclear Research,
1963. 9225292
AEC-UCRL-Tr-1096

Sci-Nucl Sci
Nov 64

268,557

Decay Properties of Compound ~~X~~ Dysprosium Nuclei
Having a High Angular Momentum, by G. Kumpf,
V. A. Karnaukhov, 22 pp.
RUSSIAN, rpt, Joint Institute for Nuclear Research,
1963. 9225293
AEC-UCRL-Tr-1095

Sci-Nucl Sci
Nov 64

268,554

Synthesis of Element 102 Isotope With Mass Number 256,
by E. D. Donets, V. A. Shchegolev, et al, 28 pp.
RUSSIAN, 1pt, Joint Institute for Nuclear Research,
1963. 922 2626
AEC-Tr-6369
AEC-NP-Tr-1137 (922 2994)

Sci-Nucl Sci
Jun 64

260,505

The Fundamental Aspects of Shielding From
Radiation of Accelerators of Protons, Deuterons
and Alpha Particles, by M. M. Komochkov, 62 pp.
RUSSIAN, rpt, Joint Institute for Nuclear Research,
1963. 9225308
AEC-UCRL-Tr-1062(L)

1062

Sci-Nucl Sci
Nov 64

268,555

Ratio of Cross Sections for Formation of An Sc^{43}
Isomer Pair in Reactions Involving Heavy Ions, by
V. V. Brodsk, B. A. Gvozdov, et al, 10 pp.

RUSSIAN, rpt, Joint Institute for Nuclear Research,
1963, 9216868

AEC-TR-6103

Sci - Nucl Sci
Rev. 64

248,559

Formation of a Spontaneously Fissioning Isomer
Reactions With α - Particles and Deuterons, by
M. Fludov, S. M. Polikanov, et al., 5 pp.

63. 9216969
SSIAN, rpt, Joint Institute for Nuclear Research,
63. 9216969

AEC-Tr-6102

1 - Nucl. Sci
1 64

248, 556

Calculation of ~~Mass~~ Phase Relationships in the Cyclotron,
by G. N. Vyalov, 7 pp.
RUSSIAN, rpt, Joint Institute for Nuclear Research,
1963. 9222683
AEC-NP-Tr-1133

Sci-Nucl Sci
Jul 64

260,999

Experiments ~~x~~ on the Observation of Radioactive Decay Accompanied by Proton Emission, by V. A. Karnaukhov, G. M. Akop'yan, et al, 6 pp. RUSSIAN, ~~RE~~ rpt, Joint Institute for Nuclear Research, 1963, pp 1-7. 9222298 AEC-Tr-6360

Sci-Nucl Sci
Jun 64

259,766

The Theory of Fragmentation in the Processes of
Quasi-Elastic Scattering of Fast Particles on Light
Nuclei, by V. V. Balashov, A. N. Boyarkina, et al,
40 pp.

RUSSIAN, rpt, Joint Institute of Nuclear Research,
1963. 9222968
AEC-ANL-Tr-5

Sci-Phys
Aug 64

262,917

Experimental Investigation of Angular Distribution in
Transfer Reactions With Ne²⁰ and A⁴⁰ Ions, by
E. Lozhinski, 31 pp.
RUSSIAN, rpt, Joint Institute for Nuclear Research,
1963. 9224330
AEC-UCRL-Tr-10810

Sci-Nucl Sci
Aug 64

265,626

Calculation of Phase Relationships in the
Cyclotron, by G. N. Byalov, 8pp
RUSSIAN, per, Joint Inst. for Nuclear Research,
1963, p 1343
OTS TT-64-19307

Sci - Phy
May 67

326,504

Calculation of Particle Production in
Nuclei, by V. A. Belyakov, A. V.
Boyadzhiev.
RUSSIAN, rpt, Joint Institut for Nuclear
Research, Dubna, pp 1-13, 1964 9230180
AEC ANL-Tr-213

Sci-NS&T
Nov 65 290,676

Synthesis of Element 102 Isotope with Mass Number 256, by E. D. Donets, V. A. Shchegolev, V. A. Ermakov, 4Opp RUSSIAN, per, Joint Inst. for Nuclear Research, Vol 16, 1964, No 3, pp 195-206
OTS TT-64-19306

Sci - Phy
May 67

326,499

Spontaneous Fission of Element 102 With Mass Number
256, by V. A. Druin, N. K. Skobelev, et al, 9 pp.
RUSSIAN, rpt, Joint Institute of Nuclear Research, 1964.
AEC-NP-Tr-1170

9226037

Sci-Nucl Sci
Jan 65

270,584

Isotropic Discharge Chamber for the Detection of
Tracks of Relativistic Charged Particles,
by M. M. Butslov, V. I. Komarov, et al, 14 pp.
RUSSIAN, rpt, Joint Institute for Nuclear Research,
Dubna, 1964, pp 1-17. 9225790
AEC-ANL-Tr-64

Sci-Nucl Sci
Dec 64

269,402

The Electromagnetic Properties of Baryons in the
Model of Unitary Symmetry, by E. Kapustsik, E. Obryk,
5 pp.
RUSSIAN, rpt, Joint Institute for Nuclear Research,
1964, pp 1-7. 9225791
AEC-ANL-Tr-65

Sci-Nucl Sci
Dec 64

270,058

~~SECRET~~

Studies of Photoproduction by Means of Dispersion
Relations, by L. D. Solov'ev, G. N. Tentyukova, 27 pp.
RUSSIAN, rpt, Joint Institute for Nuclear Research,
Jan 1964.
AEC-UCRL-Tr-1041(L)

Sci-Nucl Sci
Dec 64

269, #948

A Polarized Proton Target for Experiments With
High-Energy Particles, by S. M. Bilen'kiy,
L. I. Lapidus, et al, 76 pp.
RUSSIAN, rpt, Joint Institute for Nuclear ~~X~~ Research,
1964, pp 1-80. 9226032
AEC-ANL-Tr-83

Sci-Nucl Sci
Dec 64

270,154

1. Verification of Dispersion Correlations in
the Small-angle and High-energy Region,
by V. S. Barashenkov, V. I. Dedyu.
RUSSIAN, rpt, Joint Institute for Nuclear
Research, pp 1-9, 1964 9229623
AEC ANL-Tr-184

Sci-MS&T
Oct 65

290,629

Investigation of the Dynamics of the
Molecular Groups H_3I^+ and H_2O in Crystals,
by A. Bayorek, T. A. Macholthurn, et al,
24 pp.

RUSSIAN, rpt, Joint Institute for Nuclear
Research, 1964, pp 1-29. 9227057
AEC-ANL-Tr-145

Sci-NS
Apr 65

277,068

Study by the Extraction Method of the Complexing of
Curium and Europium, by I. Stary.

RUSSIAN, report, USSR. Joint Institute for
Nuclear Research. Dubna, 1965.

NTC 70-17187-07B

Study by the Extraction Method of the Separation
of Americium and Promethium, by I. Stary.
RUSSIAN, per, USSR. Joint Institute for Nuclear
Research Dubna., REPORT INR-1-2000.
NTC 70-17186-07B

A discussion of nuclear fission induced by alpha particles, by V.S. Barashenkov, V. I. Malusev.

9 pp.
RUSSIAN, rpt, Joint Institut of Nuclear Research,
Dubna(USSR), 1965. 9 pp.
ABC A&L-tr-13

Sci/Nuclear Sci
Nov 66

311,556

Determination of Spins of the ^{169}Yb Nucleus by Resonances by Transmission of Polarized Neutrons Through a Polarized Target in the Energy Interval 0-55 eV, by V. P. Afriatenov, V. I. Lushikov, et al.
RUSSIAN, rpt, Joint Institute for Nuclear Physics, Dubna, 1965. 9251657
AC-BNL-Tr-56

Sci - NS
Jan 66

294,281'

Evaporation Reactions of Several Neutrons
by Bombarding U-238 with Accelerated Ions
of Oxygen-18, Fluorine-19, and Neon-22,
by E. D. Donets, V. A. Shchegolev.
RUSSIAN, pp., Joint Institute for Nuclear
Research, 1965 9229838
AEC UCRL-Tr-1235

Sci-Phys
Nov 65

291,946

An Increase of the Internal Beam Current
of the JINR Synchro-Cyclotron by
Additional Electrostatic Focusing, by
V. L. Danilov, I. B. Enchevich.
RUSSIAN, rpt, Joint Institute for Nuclear
Research, 1965, 10 pp. 9229642
AEC NP-Tr-1258

Sci-Phys
Oct 65

290,614

Interaction of Elementary Particles with
Atomic Nuclei in the Energy Region 1-50
GeV, by I. Z. Artykov, V. S. Garashenkov,
et al.

RUSSIAN, rpt, Joint Institute for Nuclear
Physics, Dubna, 1965. 9231656

AEC-BNL-Tr-47

Sci - NS
Jan 66

294,230

Interaction of Fast Protons with
Heavy Ions, by V. S. Barashenkov,
V. M. Maltsev.
RUSSIAN, rpt, Joint Institute of
Nuclear Studies, 1965 925902
AEC-BNL-Tr-21

Sci-NS&T
Oct 65

290,618

Neutron- U^{235} Nuclear Interaction in the
0.002-30 kev Energy Region, by Van
Shi-li, Van Yun-chan.
RUSSIAN, rpt, Joint Institute for Nuclear
Research, 1965 9230173
AEC BNL-Tr-16

Sci-~~ES&T~~
Nov 65

291,863

AEC #47 (TD 8 April)

R-6880-D
31 March 66

On a possibility of using particle charge exchange for
their multiple acceleration in a potential electric
field

By: Vyalov G. N., Fiks M.M.
From: Joint Institute for Nuclear Research, Dubna 1965
Pamphlet No. 2538 (26 pp)

Russian - est for mks:

Type 1 original and 1 carbon copy. Reproduce for
pasting-up.

Pulsed Research Reactor of the Joint Institute for Nuclear Research and Possibility of Pulsed Reactor Application in Neutron Spectroscopy, by V. I. Andreev, I. M. Vatora, et al.
RUSSIAN, rpt, Joint Institute for Nuclear Research Neutron Physics Laboratory, 1983.
9232391
ABC BNL-Tr-60

Sci/Physics
May 60

200,514

Scattering Functions of U-238 for Neutrons with
E - and I, by Yu. V. Ryabov, Yu. I. Feden.
RUSSIAN, ~~pp.~~ Joint Institute for Nuclear Research,
Dubna, 1965. 92305-48
AEC-BNL-Tr-20

Sci - NS
Jan 66

294,297

Electromagnetic Properties of Representation
70 in the SU(6) Scheme, by Kao Ti, L. G. Tkachev,
8 pp.

RUSSIAN, rpt, JINR, 1965, pp 3-11.

AGA/RSIC/Tr-859-68

GOVERNMENT USE ONLY

Sci/Phy
Dec 68

Group $SU(1/2)$ as a Generalization of the
Symplectic and Spin Symmetries, by B. V.
B. V. Struminskiy, I. T. Todorov, 7 pp.
RUSSIAN, rpt, JINR, 1965, pp 3-6.
ARM/RSIC/Tr-858-68
GOVERNMENT USE ONLY

Sci/Phy
Dec 68

Collisions with Particle Redistribution, by L.
Amirkhanov.
RUSSIAN, per, Joint Institute for Nuclear Research,
Dubna, 1966, pp 1-18.
*ACSI J-3865
ID 2204057367

Sci-Nucl Sci
Dec 67

Reactions with Rearrangement of Particles II, by
T. G. Efimenko.

RUSSIAN, per, Joint Institute for Nuclear Research,
Dubna, 1967, pp 1-16.

*ACSI J-3865 or J-3873
ID 2204057367

Sci-Nucl Sci
Dec 67

The Thermophysical Properties of Some Multi-layer Insulators at Cryogenic Temperatures,
by L. B. Golovanov, 16 pp.
RUSSIAN, rpt, JINR, 1967, pp 3-20.
RSIC-780 P200153268

USSR

357.448

Semiconductor Control Scheme of a Device for
 Film Scanning From Spark Chambers, by J. Cech.
 FRENCH, ryt, JINR/R 10-3122, 1967.
 *ABC 2559

NUC Ref: 5828.4F (12860)

Sci - Nuclear Science
 May 67

On Ion Detection in Supercooled Liquids, by
A. F. Pisarev.
GERMAN, rpt, Report JINR03360.
NLL Ref: 3120.12 (67-7)

Sci-Phys
Jan 69

372,604

Quasiclassical Scattering of 665-MeV Protons by
Alpha-Particle Clusters in Light Nuclei, by
V. I. Komarov, G. Ye. Kosarev, 10 pp.
RUSSIAN, rpt, Joint Inst for Nuclear Research,
1969.

AEC/BNL-Tr-282-69

Sci/Phy

V. S. Barashenkov

Interaction Mechanism of Particles With High
and Ultrahigh Energy With Atomic Nuclei. New
Types of Interactions With Elementary Particles.
RUSSIAN, per, USSR, Joint Institute for Nuclear
Research, Dubna, 1969
NTC 72-12735-20H

sept 72

Investigation of the Heisenberg Model of the
Impure Ferromagnets I, by Ye. Prosvotskiy, 17 pp.
RUSSIAN, rpt, JINR, Lab Theoretical Physics,
Dubna, 1970.
AEC/DOE-TR-389-71

Sci/Phy
Feb 71

Investigation of the Heisenberg Model of the
Isotope Ferromagnets II, by Ye. Provenski, 14 pp.
RussiaN, rpt, Joint Inst for Nuclear Research,
Lab of Theoretical Physics, Dubna, 1970.
AEC/ISNL-TR-390-70

Sci/Nucl
Feb 71

Nucleon-Nucleon Interaction and the Average
Nuclear Field, by V. V. Babikov.
RUSSIAN, rpt, USSR Joint Institute for Nuclear
Research, Dubna, 1970,
NPPC-71-10674-20H

Nov 71

Neutron-Electron Interaction, by Yu. A. Aleksandrov.
RUSSIAN, rpt, USSR, Joint Institute for Nuclear
Research, Dubna, 1970.
NFC-71-10675-20H

Nov 71

Single-Particle States of Deformed
Transuranium Nuclei in the Saxon-Woods
Potential, by F. A. Gareev.
RUSSIAN, rpt, USSR, Joint Institute for Nuclear
Research, Dubna, 1970.
NTC-71-15053-20H

Feb 72

On the Correlation Between the Reduced
Neutron Widths and Partial Radiation
Widths in Resonances, by V. G. Solovev.
RUSSIAN, rpt, USSR. Joint Institute for
Nuclear Research. Dubna, 1971.
NTC-71-15052-18H

Feb 72

On New Methods of Detecting Particle
Tracks in Liquid and Solid Media,
by V. I. Nikanorov.
RUSSIAN, per, USSR, Joint Institute for
Nuclear Research, Dubna, 1971.
NTC 72-11179-18D

May 72

L. M. Soroko

The Hadamard-Transform Scintillation Counter.
ENGLISH, rpt, USSR. Joint Institute for Nuclear
Research. Dubna, Report JINR-P13-5696, 1971.
NTC 72-13580-18D

Nov. 72

V. D. Bartenev

Forming in a Vacuum a Jet Target From Condensed Hydrogen.
RUSSIAN, per, USSR, Joint Institute for Nuclear Research, Dubna, 1971
NTC 72-12751-20G

sept 72

Track Chamber With Charge Multiplication Inside the Film Electrodes, by
V. I. Nikonorov.

RUSSIAN, per, USSR, Joint Institute for
Nuclear Research, Dubna, 1971.

NTC 72-11178-18D

May 72

Agency: Air Force A-145813-D (SF)
P.O. #: AFL 72-0001 72-07 15 Dec. 1972

Title: Chelates of some beta-diketones...

Author: Zaitseva, N.G. & Islamova, Kh. N.
Source: Jt. Inst. for Nuclear Res., Dubna
(USSR). 1972. MICROFICHE...

Soecial Instructions: Please translate and type one copy.

Language: Russian to English

Bogolyubov, N. N., Zubarev, D. N., and Tserkovnikov, Yu. A.
ON THE THEORY OF PHASE TRANSITIONS (K Teorii Fazovogo Perehoda) tr. by Lydia Vester. Oct 58, 11p. 3 refs. Order from LC or SLA m\$2.40, ph\$3.30 AEC-tr-4205

Trans. of Joint Institute for Nuclear Research (USSR). [Rept.] P-110, 1957.

A model is discussed that allows one to obtain asymptotically accurate expressions for thermodynamic functions, which correctly reflect the thermodynamic properties of the superconductors.

151660

61-15349

1. Phase transitions--Mathematical analysis
2. Superconductivity--Theory
3. Superconductors--Thermodynamic properties
- I. Bogolyubov, N. N.
- II. Zubarev, D. N.
- III. Tserkovnikov, Yu. A.
- IV. AEC-tr-4205
- V. Argonne National Lab., Lemont, Ill.
- VI. JINR P-110

Office of Technical Services

(Physics--Thermodynamics, TT, v. 5, no. 8)

Akimov, Yu. K., Savchenko, O. V., and Soroko, L. M.
SEARCH FOR ANOMALIES IN THE ENERGY DEPENDENCE OF THE CROSS SECTION OF REACTION
 $p + p \rightarrow d + \pi^+$ IN THE THRESHOLD REGION OF PAIR FORMATION OF π -MESONS, tr. by S. Shewchuk.
Aug 61, 8p. 5 refs.
Order from OTS or SLA \$1.10 UCRL Trans-702

Trans. of Joint Inst[itute] for Nucl[ear] Res[earch]
(USSR) [Rept]. P-710, n. d.

DESCRIPTORS: *Nuclear reactions, Energy, Particles,
*Protons, *Deuterons, *Pions, Mesons.

An attempt is made to observe non-monotonies in the energy dependence of the differential cross section of reaction $p + p \rightarrow d + \pi^+$ in the neighborhood of thresholds of pair formation of π -mesons. The results of the measurements performed do not give a specific answer
(Nuclear Physics--Nuclear Reactions, TT, v. 9, no. 3)
(over)

62-23244

I. Akimov, Yu. K.
II. Savchenko, O. V.
III. Soroko, L. M.
IV. UCRL Trans-702
V. Lawrence Radiation Lab.,
U. of California,
Berkeley
VI. JINR P-710

Office of Technical Services

Scattering of π^+ Mesons on ^{197}Au Targets
Yadrenye s Vysokim Momentum Transferom, by V. A.
Arifov, V. G. Grishin, L. V. Sivchenko, V. M.
Sokol'cov, 4 pp.

Rept
RUSSIAN, ser, Joint Inst for Nuclear Research,
Dubna, 1961, JINR-P-5765.

AEC NP Tr-836

Sci - Isac rays
May 62

193, 579

Investigation of the Characteristics of the Beam
of Protons Accelerated in the 10 BEV Synchro-
phacotron, by A. B. Kuznetsov, K. P. Myznikov,
30 pp.

14/10/62
RUSSIAN, Spt, Joint Inst for Nuclear Research,
Dubna, Lab of High Energy, Report P-787,
JINR-P-787, 18 pp. 9091179

AEC UCRL Tr-343

Sci - Phys
Sep 2462

Tables of Phase Volumes, by G. I. Kopylov.

RUSSIAN, ¹⁹⁵⁴~~1953~~, Joint Inst of Nuclear Research, Dubna,
SSSR, Rpt P-777.

*AEC UCRL Tr-793

Sci - Nuc Phys
Mar 62

Gamma Spectra in Heavy Ion Reactions, by Yu. B.
Oganesyan, Yu. V. Lobanov, B. N. Markov, 29 pp.

RUSSIAN, ¹⁹⁶⁴
Joint Inst for Nuclear Research, Dubna,
JINR-P-632. 9093486

AEC UCRL 3r-819(L)

Sci-Mic Phys
Jul 62
List 70

204, 106

Resonance High-Frequency Discharge in a cyclotron,
by B. A. Zager, V. G. Fishin, 40 pp.

^{per 144}
RUSSIAN, ~~exp~~, Joint Inst for Nuclear Reactions,
Dubna, JINR-P-811, 1961. 9093485

AMC UCRL Tr-818

Sci-Nuc Phys
Jul 62
List 70

204.724

Energy Spectrum of Resonance Absorption of γ -Radiation
of 92 Kev Zn⁶⁷ in Zinc Oxide, by V. P. Alimenkov,
Yu. M. Ostanevich, 18 pp.

RUSSIAN, per, Joint Inst for Nuclear Research, Dubna,
USSR, Lab of Neutron Physics, JINR-P-845, 1961,

AEC Tr-5115

Sci - Nuc Phys
Aug 62
List 71

206,075

Eight-Litre Hydrogen-Deuterium Bubble Chamber
in a Magnetic Field, by T. D. Blokhintseva, A. P.
Vasilenko, V. G. Grehinnik.

Rpt
RUSSIAN, ~~Rev~~, Joint Inst for Nuclear Research, Dubna,
Lab of Nuclear Problems, Rpt P-319.

*AEC

Sci - Nuc Phys
Mar 62

Methods of Changing the Duration δ of the Time of
the Beam Interaction With the Target in a 10 Bev
Synchrophasotron, by G. S. Kazanskiy, A. I. Mikhailov,
E. P. Myznikov, 41 pp.

per Joint Inst of Nuclear Research, Dubna,
RUSSIAN, 1952, JINR-P-849. 9093482

1/44

AEC UCRL Tr-813

Sci. - Nuc Phys
Jul 62
List 70

204, 721

Synchronization of the Bubble Chamber With the
Synchrocyclotron, by M. P. Balandin, V. G. Gretinin,
G. I. Selivanov.

Joint
RUSSIAN, ~~for~~, Joint Inst for Nuclear Research, Dubna,
Lab of Nuclear Problems, Rpt P-852.

*AEC

Sci - Nuc Phys
Mar 62

Commissioning and Adjustment of the Injector Beam of
the Linear Accelerator, by Yu. N. Antonov, L. P.
Zelen'yev, I. V. Kozhukhov, 23 pp.

RUSSIAN, Eng, Joint Inst for Nuclear Research, Dubna,
JINR-P-855. 9093483

ABC UCRL Tr-814

Sci - Engr
Jul 62
List 70

04, 722

Properties of Nuclei With Anomalous Periods of
Transverse Motion in Heavy Ion Reactions, by
Yu. M. Dzhobava, Wang Tung-seng, et al., 9 pp.

Joint Institute for Nuclear Research,
Dubna, 1970, 9207239

AEC/UCRL TR-918

Ed. 10/28

232,189

May 63

Requirements for the Determination of Proton
radioactivity in Nuclei, by V. A. Kurnikov,
A. N. Ternakyan, et al, 13 pp.

MOSCOW, Joint Institute for Nuclear Research,
p-1072, 1962. ~~SECRET~~

AEC/UCRL TR-919

Reverse Translation
AEC-KF6-TR-147
232,190

Sci - Phys

May 65

Information of significance to the
V. P. Pavlygin, S. P. Tret'yakova, S. I.

Apk
RUSSIAN, ~~per~~, Joint Institute for Nuclear
Research, P-1118-, 1962. 9207252

ABC/UCRL Tr-940

Set. - ENR Nuclear Sci

230, 235

May 63